Figure 1 - Matrix Player's ability to play multiple formats

a videos in multiple formats

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Figure 1a - Matrix Player showing

Figure 1b - Matrix Player playing a movie in Windows Media format.



Figure 1c - Matrix Player playing a movie in Real Player format.



Figure 2 - Matrix Player components

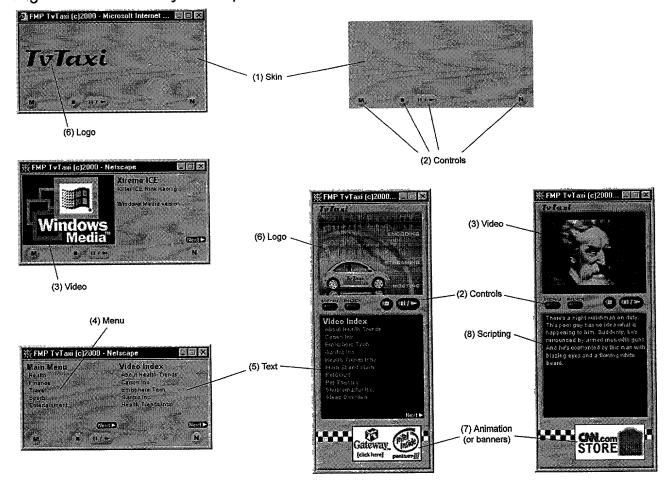
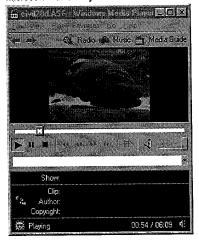


Figure 3 - Stand-Alone Players

Microsoft Media Player



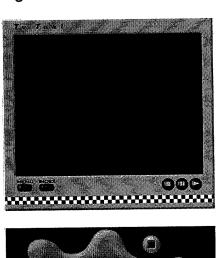
Real Networks' Real Player



Apple Quicktime Player

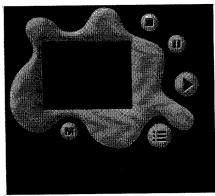


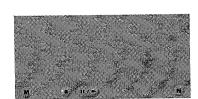
Figure 4 - Skins for various Matrix Players



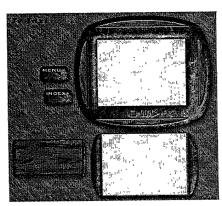




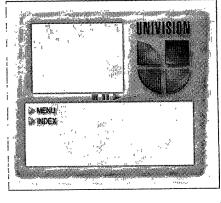


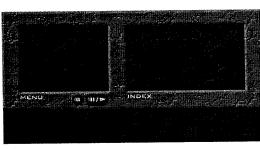












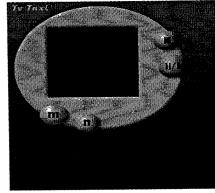


Figure 4b - Different skins for a single Matrix Player design

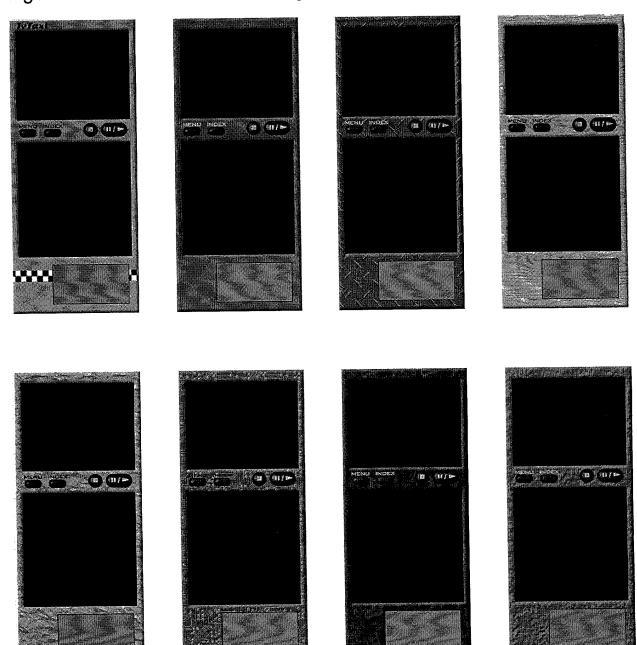


Figure 5 - Example of the popularity of "skins"

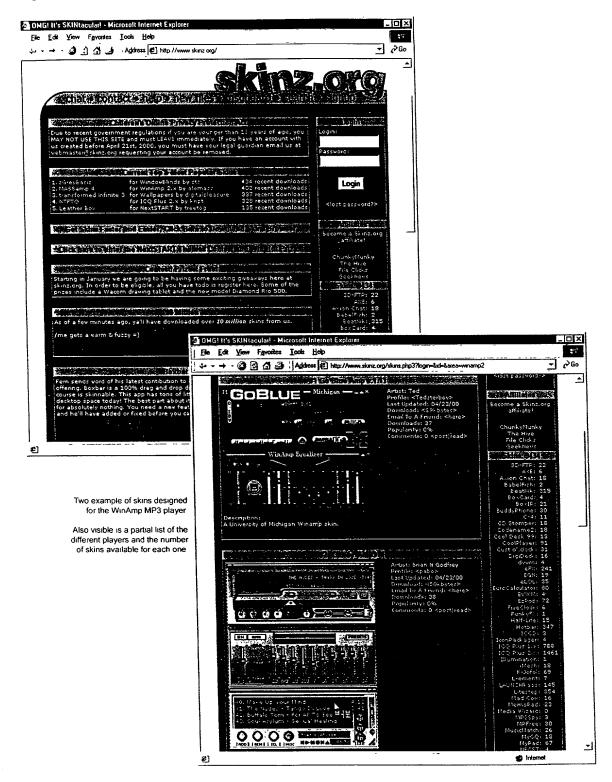


Figure 6 - Example of Matrix Player interactive scripting

(6a) - Matrix Player with animated Flash logo



(6b) - User clicks "menu" button



(6c) - User selects "Sports", which changes the menu screen, then selects "Extreme Sports Network", then selects the "Power Ski" video.



(6d) - Selecting a video loads the required plug-in, then loads a data file which contains the text information for the video and also the graphic information to change the skin.



(6e) - A scripting command that is embedded in the video at specific frames causes the video and text screens to change positions.



(6f) - Another scripting command causes the video to scroll across the player, back to its original position, all without interrupting the video or its soundtrack.



(6g) - A scripting command sends another message to the text screen.



(6h) - Several scripting commands cause the text screen to move, appearing to "bounce" off the inner edges of the player.

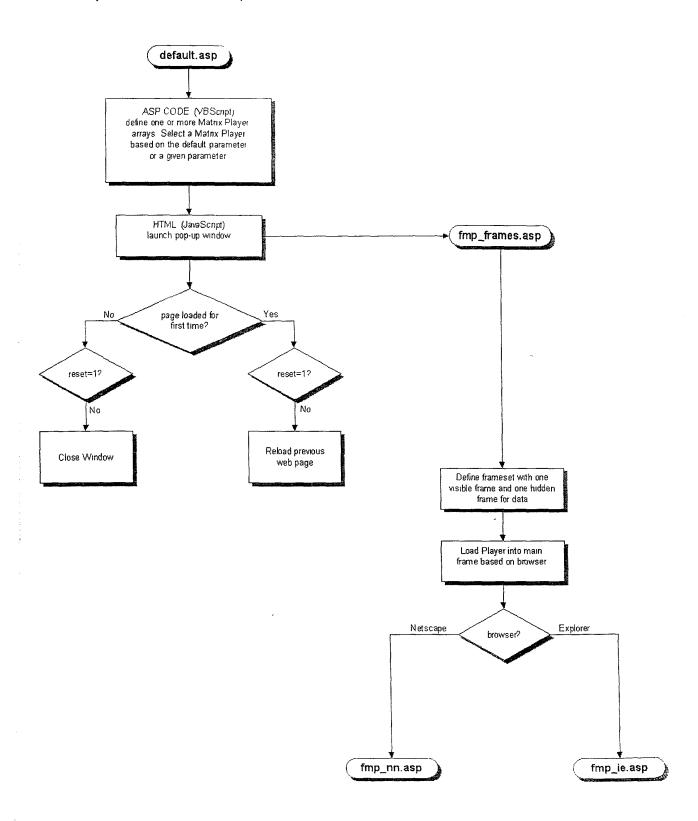


(6i) - Another message is sent to the text screen. Regular HTML tags can be used to set text font, size, and color.

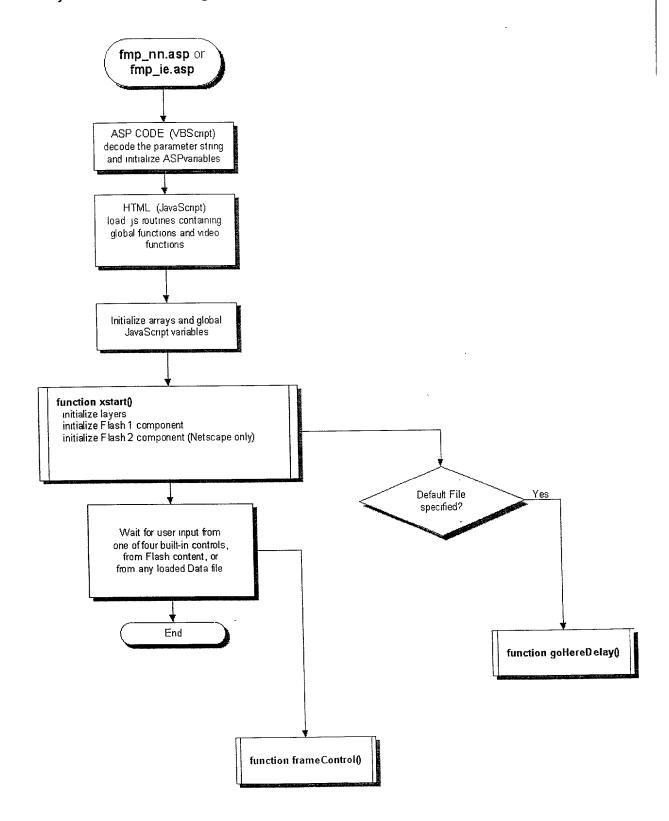


(6j) - A scripting command causes a new data file to load.

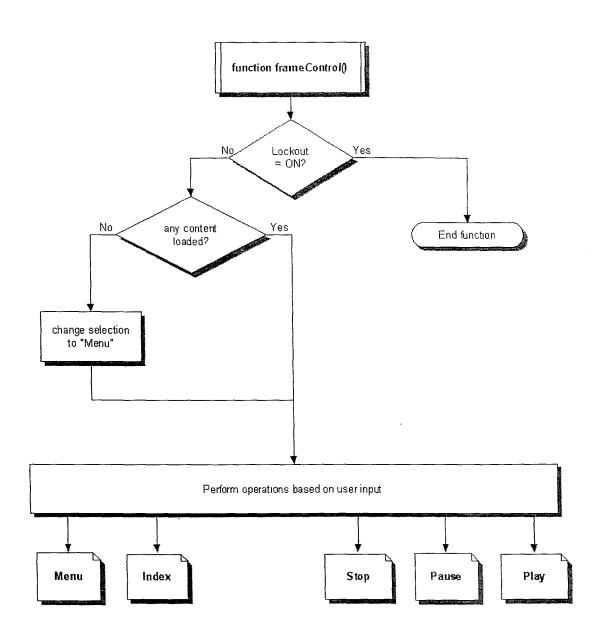


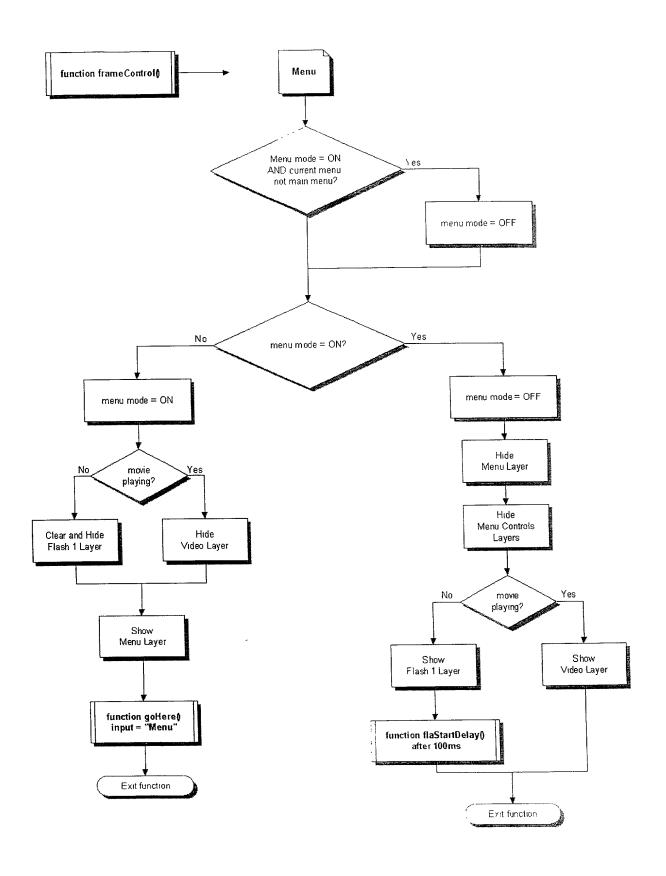


MatrixPlayer - Chart 2: Program Initialization and Overview

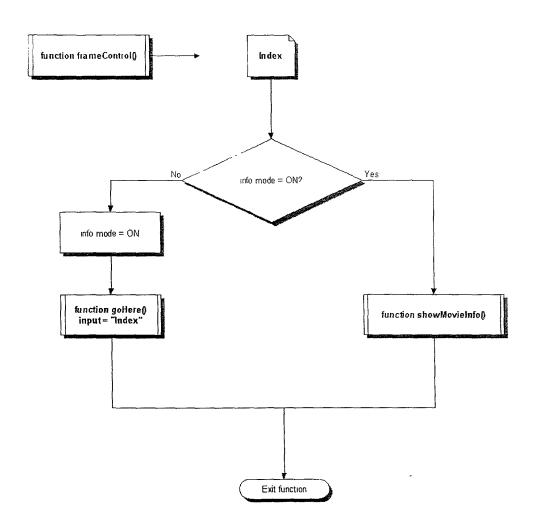


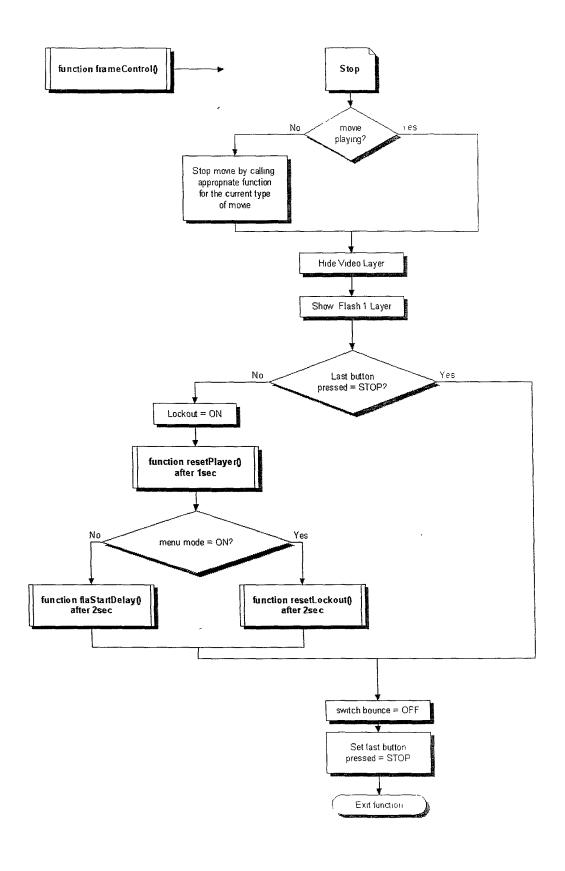
MatrixPlayer - Chart 3: function frameControl() overview





MatrixPlayer - Chart 3b: function frameControl(), input = "Index"





MatrixPlayer - Chart 3d: function frameControl(), input = "Pause"

